

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY. DOCKET NO. COG-2-0974.02.US		SERIAL NO. 10/695,229	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT Sugar et al.			
FILING DATE October 28, 2003				GROUP 2682			

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 MAY 31 2005
 PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
RP	4,121,221	10/1978	Meadows				
	4,599,734	07/1986	Yamamoto				
	4,639,914	01/1987	Winters				
..	5,274,844	12/1993	Harrison et al.				
	5,394,435	02/1995	Weerackody				
	5,437,055	07/1995	Wheatley, III				
*	5,457,808	10/1995	Osawa et al.				
	5,491,723	02/1996	Diepstraten				
*	5,493,307	02/1996	Tsujimoto				
	5,507,035	04/1996	Bantz et al.				
*	5,539,832	07/1999	Weinstein et al.				
*	5,570,366	10/1996	Baker et al.				
	5,577,265	11/1996	Wheatley, III				
	5,610,617	03/1997	Gans et al.				
*	5,752,173	05/1998	Tsujimoto				
*	5,761,193	06/1998	Derango et al.				
*	5,761,237	06/1998	Petersen et al.				
*	5,812,531	09/1998	Cheung et al.				
*	5,848,105	12/1998	Gardner et al.				
*	5,898,679	04/1999	Brederveld et al.				
*	5,912,921	06/1999	Warren et al.				
*	5,930,248	07/1999	Langlet et al.				
..	5,982,327	11/1999	Vook et al.				
	6,008,760	12/1999	Shattil				
*	6,023,625	02/2002	Myers Jr.				
..	6,037,898	03/2000	Parish et al.				
	6,038,272	03/2000	Golden				
*	6,044,120	03/2000	Bar-David et al.				

EXAMINER <i>Roy P...</i>	DATE CONSIDERED 9/15/05
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RP	6,058,105	05/2000	Hochwald et al.				
1	6,091,934	07/2000	Berman et al.				
	6,097,771	08/2000	Foschini				
	6,118,788	09/2000	Kermani				
	6,122,260	09/2000	Liu et al.				
	6,124,824	09/2000	Xu et al.				
	6,141,393	10/2000	Thomas et al.				
	6,141,567	10/2000	Youssefmir et al.				
	6,144,651	11/2000	Rinchiuso et al.				
	6,144,711	11/2000	Raleigh et al.				
	6,147,985	11/2000	Bar-David et al.				
	6,157,340	12/2000	Xu et al.				
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	6,177,906	01/2001	Petrus				
	6,185,440	02/2001	Barratt et al.				
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	6,252,548	06/2001	Jeon				
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	6,317,466	11/2001	Foschini et al.				
	6,327,310	12/2001	Hochwald et al.				

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RP		6,331,837	12/2001	Shattil			
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		6,377,636	04/2002	Paulraj et al.			
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		6,400,699	06/2002	Airy et al.			
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		6,442,214	08/2002	Boleskei et al.			
	*	6,462,709	10/2002	Choi			
	*	6,463,295	10/2002	Yun			
		6,473,467	10/2002	Wallace et al.			
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RP		2001/0053143	12/2001	Li et al.			
		2002/0001316	01/2002	Hornsby et al.			
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		2002/0067309	06/2002	Baker et al.			
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		2002/0085643	07/2002	Kitchener et al.			
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		2002/0111142	08/2002	Klimovitch			
		2002/0118781	08/2002	Thomas et al.			
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		2002/0122501	09/2002	Awater et al.			
		2002/0127978	09/2002	Khatri			
		2002/0136170	09/2002	Struhsaker			
		2002/0141355	10/2002	Struhsaker et al.			
	*	2002/0147032	10/2002	Yoon et al.			
		2002/0158801	10/2002	Crilly, Jr. et al.			
		2002/0159537	10/2002	Crilly, Jr.			
	*	2002/0172186	11/2002	Larsson			
		2002/0172269	11/2002	Xu			
	**	2002/0196842	12/2002	Onggosanusi et al.			
		2003/0002450	01/2003	Jalali et al.			
	*	2003/0022693	01/2003	Gerogiokas et al.			
	**	2003/0032423	02/2003	Boros et al.			
	*	2003/0048761	03/2003	Jarett			

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RP	**	2003/0108117	Ketchum et al.	1	1		
I	*	2003/0114108	Frecassetti et al.	1	1		
I	**	2003/0125090	Zeira	1	1		
I	**	2003/0139194	Onggosanusi et al.	1	1		
I	*	2003/0181165	Sugar et al.	1	1		
I	*	2004/0072546	Sugar et al.	1	1		

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
						YES	NO	
RP	02/03568	01/2002	WO	1	1			
RP	01/45300	06/2002	WO	1	1			

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RP	Jakes, "Microwave Mobile Communications", Copyright 1974, pp. 313-320 and pp. 489-498.

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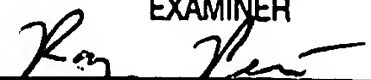
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I		Stridh et al., "MIMO Channel Capacity on a Measured Indoor Radio Channel at 5.8 GHz", Proc. of the Asilomar Conf. on Signals, Systems & Computers, Vol. 1, October 2000, pp. 733-737.

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